



SANDVIK UD211 WHEELED PROCESSING UNIT

TECHNICAL SPECIFICATION

The UD211 is a complete processing unit fully assembled on a single trailer frame. Featuring the SW 0843H vibrating feeder, highly reliable and productive CJ409 jaw for primary crushing, CH420 cone for secondary crushing, a looping belt conveyor for excellent feed to the vibrating screen, it offers a highly versatile, high-end capacity plant capable of processing 1-4 products at a low cost-per-tonne operation.

KEY BENEFITS

Reliability	<ul style="list-style-type: none">- Market leading CJ409 and CH420 cone for reliability and high performance- All onboard components are electrically driven giving reliability and minimal maintenance- Heavy duty chassis beams, strength analysis on structural parts and quality components for durability- Capable of operating in the most hostile environments
Productivity	<ul style="list-style-type: none">- Large feed opening of 600 mm / 23.6" with high capacity reduction- Possessing an ideal nip angle for smooth material flow, high reduction efficiency and single-toggle operation with a deep crushing chamber, it has an easy setting adjustment for simple and efficient operation- Cone Crusher Unibody mainframe ensures optimal strength and less maintenance. Hydraulic cone hydroset setting (CSS) and overload protection for maximum uptime- The deep symmetrical crushing chamber has a design which maximizes feed size, capacity and reduction. Constant Liner Performance (CLP) crushing chambers permits constant feed acceptance capability, increased output, high quality products and increase liner life- Grizzly feeder with adjustable openings and by-pass chute for greater flexibility. It has a wire cloth screening element beneath the grizzly to remove natural fines- Choice of several different settings for a wide range of applications, enabling fine tuning to your specification and improved capacity- Frequency inverter for feeder speed control in order to provide step less regulation of the feed rate- Simple and efficient, designed for trouble free operation
Cost of ownership	<ul style="list-style-type: none">- Low cost per tonne due to electric operation- Quick to set-up and easy to maintain, resulting in more uptime and higher productivity
Safety	<ul style="list-style-type: none">- Removable electrical control panel to be located on the ground during operation- Crusher mounted safety guards and multiple emergency stop buttons for safe operation- Maintenance platforms with handrails and access ladders provide excellent access for service and maintenance- Low emissions due to electrical operation, minimizing environmental impact
Support	<ul style="list-style-type: none">- Extensive global distributor and sales support network





KEY SPECIFICATIONS	UD211
Feed station	
Type	SW0843H Vibrating feeder
Grizzly length	1.2 m / 4'
Grizzly Gap	70, 90 or 105 mm 2.7", 3.5", 4.1"
Drive	2 x 2.7 kW Vibratory motor
Hopper	12 m ³ / 424 ft ³
Screen	
Type	Sandvik SB1542 Linear motion
Size	1500 mm x 3600 mm / 5' x 12.1'
Decks	3 deck
Drive	Electric motor 2 x 7,5 kW
Crusher	
Type	Sandvik CJ409 jaw crusher
Feed opening	895 mm x 660 mm / 35" x 26"
CSS range	40 - 180 mm / 1 5/8 - 7" *
Adj type	Through shims / Hydraulic
Drive	Electric motor, 75 kW squirrel cage type
Secondary	Sandvik CH420 cone
CSS range	25 - 120 mm - 1" - 4.72" *
Drive	Electric motor 90 kW squirrel cage type
ASRi	Optional
Loop conveyor	
Belt width	900 mm / 35"
Length	15 m / 49' 2"
Drive	Electric motor 11 kW

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Power system	
All electrics are intended for connection to a mains supply	
Total power	203 kw / 276 hp
Supply voltage	415-50 Hz / 440V-60 Hz / 3-phase AC
Control voltage	220 V-50/60 Hz / 3-phase AC
Running gear	
2" / 3 1/2" King-pin, triple-axle bogie with air-brakes, ABS and running lights. Tyres 10" x 20" - 16 ply	
Transport dimensions	
Height	4.00 m / 13' 1"
Width	2.50 m / 8' 2"
Length	16.53 m / 52' 4"
Weight	52,000 kg / 114,640 lbs
Operating dimensions	
Height	5.06 m / 16' 7"
Width	3.95 m / 13'
Length	16.61 m / 54' 7"
Performance	
Max feed size	
CJ409	600 mm / 23.6"
CH420	130 mm / 5.1"
Capacity (up to)	150 mtph / 165 stph *

Note. All weights and dimensions are for standard units only

STANDARD SPECIFICATION

Liners for discharge chutes
 Self contained electrical switchgear cabinet
 Electrical connection to mains supply
 Maintenance platform with handrails and access ladder
 Safety guards to crusher drives
 Emergency stop buttons
 2" / 3 1/2" King-pin, triple-axle bogie with air-brakes, ABS and running lights. Tyres 10" x 20" - 16 ply
 Trailer suitable for 24 V supply

For option availability please speak with your local Sandvik representative

* Application specific. Please contact a Sandvik representative for clarification on specifications and options
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